

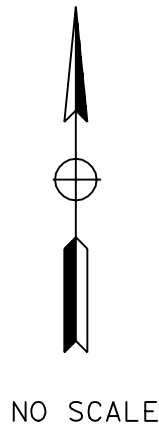
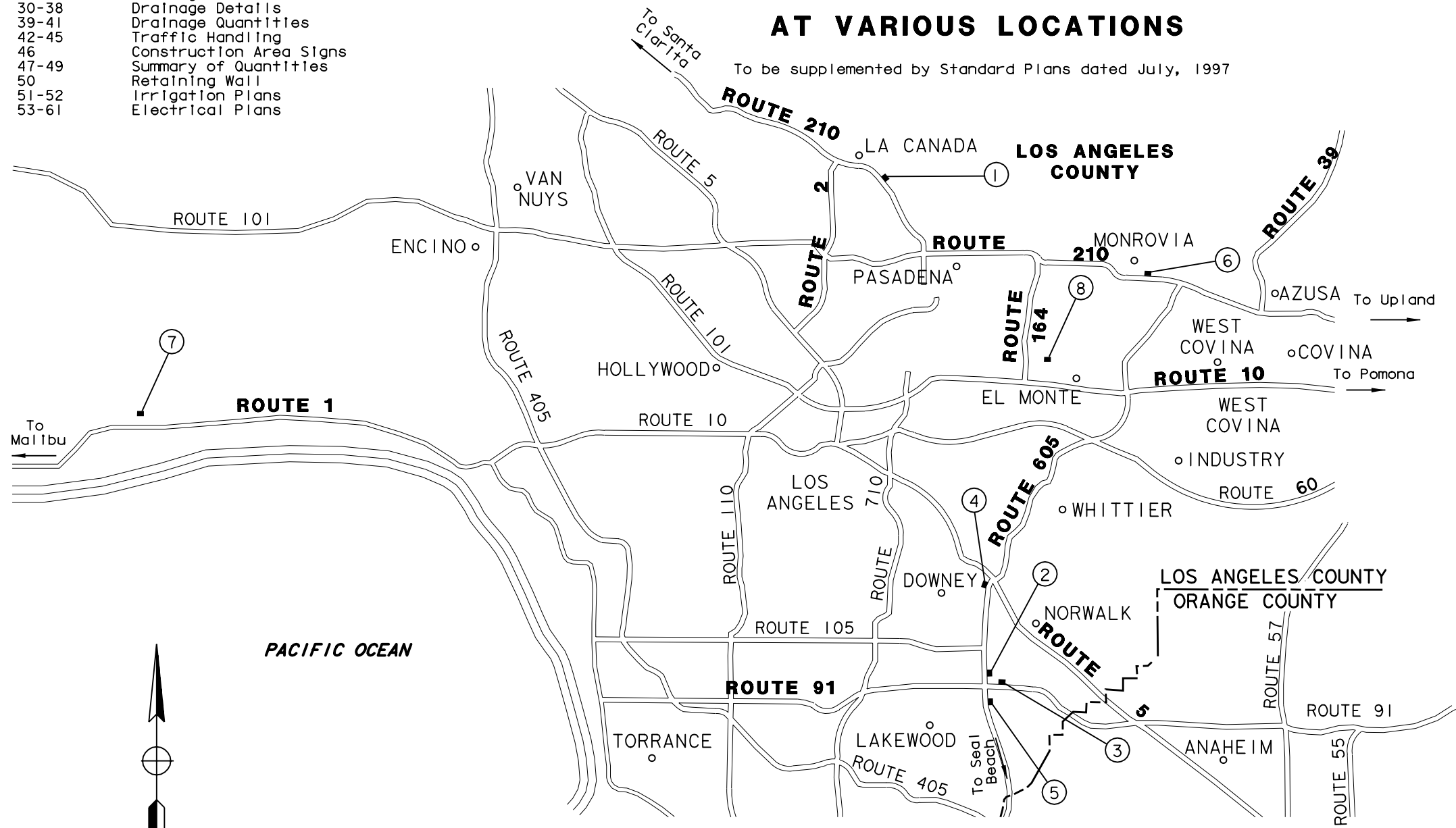
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- 2-3 Typical Cross Sections
- 4-5 Standard Plans List
- 6-11 Layout
- 12-13 Construction Details
- 14-17 Contour Grading
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PROJECT PLANS FOR CONSTRUCTION ON
AND ADJACENT TO
STATE HIGHWAY
IN LOS ANGELES COUNTY
AT VARIOUS LOCATIONS

To be supplemented by Standard Plans dated July, 1997



LOCATION OF CONSTRUCTION

LOC	ROUTE	KP	PM	DESCRIPTION
①	210	36.19	22.49	ALTADENA MAINTENANCE STATION
②	605	8.18	5.08	(E) SR-91/(N) I-605 SEPARATION
③	91	27.46	17.06	(W) SR-91/CERRITOS MAINTENANCE STATION
④	5	11.18	6.95	(S) I-5/(S) I-605 SEPARATION
⑤	605	3.18	1.98	(N) I-605/DEL AMO INTERCHANGE
⑥	210	55.91	34.74	FOOTHILL MAINTENANCE STATION
⑦	1	71.00	44.12	LAS FLORES MAINTENANCE STATION
⑧	164	10.69	6.64	ROSEMEAD MAINTENANCE STATION

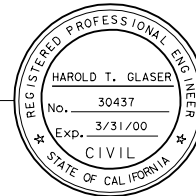
The Contractor shall possess the Class (or Classes) of license as specified in the "Notice to Contractors".

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	1, 5, 91, 164, 210, 605	VAR	1	61



AS-BUILT
12 / 15 / 99

Harold T. Glaser 6/30/98
Project Engineer Date
Registered Civil Engineer



Plans Approval Date

MONTGOMERY WATSON - CHAUDHARY
750 B STREET SUITE 1610
SAN DIEGO CA 92101-8131

Contract No.

GENERAL ROAD WORK

MISCELLANEOUS

- A10A Abbreviations
- A10B Symbols
- A20A Pavement Markers and Traffic Lines, Typical Details
- A20B Pavement Markers and Traffic Lines, Typical Details
- A20C Pavement Markers and Traffic Lines, Typical Details
- A20D Pavement Markers and Traffic Lines, Typical Details
- A24A Pavement Markings- Arrows
- A24B Pavement Markings- Arrows
- A24C Pavement Markings- Symbols and Numerals
- A24D Pavement Markings- Words
- A24E Pavement Markings- Words and Crosswalks
- A35A Portland Cement Concrete Paving Details
- A40 Rumble Strip Details
- A62A Excavation and Backfill- Miscellaneous Details
- A62B Limits of Payment for Excavation and Backfill Bridge- Surcharge and Wall
- A62C Limits of Payment for Excavation and Backfill- Bridge
- A62D Excavation and Backfill- Concrete Pipe Culverts
- A62E Excavation and Backfill- Cast-In-Place Reinforced Concrete Box and Arch Culverts
- A62F Excavation and Backfill- Metal and Plastic Culverts
- A73A Object Markers
- A73B Markers
- A73C Delineators, Channelizers and Barricades
- A74 Survey Monuments
- A75A Concrete Barrier Type 50
- A75B Concrete Barrier Type 50E
- A75D Concrete Headlight Glare Screen
- RSP A76A CONCRETE BARRIER TYPE 60
- A76B Concrete Barrier Type 60
- A76C Concrete Barrier Type 60E
- A76D Concrete Barrier Type 60G
- A76E Concrete Barrier Type 60G
- A76F Concrete Barrier Type 60GE
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- A76H Concrete Barrier Type 60S
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- A77G Guard Railing End Anchors (Breakaway)
- A77GA Anchor Assembly (Breakaway, Type M)-Hardware and Post Details
- A77H Guard Railing End Anchors- Breakaway Hardware
- A77I Barrier and Guard Railing End Anchors
- A77J Guard Railing Connections to Bridge Railings, Retaining Walls and Abutments
- A77K Guard Railing Connections to Bridge Sidewalks and Curbs
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- A83 Portable Scale Pad and Approach Slab Details
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- A86 Barbed Wire and Wire Mesh Fences
- A87 Curbs, Dikes and Driveways
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- A90 Accessible Parking

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- C7B Reinforced Concrete Crib Wall- Battered Wall- Types D,E and F
- C7C Reinforced Concrete Crib Wall- Vertical Wall- Types A,B and C
- C7D Reinforced Concrete Crib Wall- Vertical Wall- Types D,E and F

- RSP C7E REINFORCED CONCRETE CRIB WALL- TYPES A,B,C,D,E AND F-HEADER AND STRECHER DETAILS
- RSP C7F DESIGN DATA FOR REINFORCED CONCRETE CRIB WALL FOUNDATION PRESSURE- BATTERED WALL
- RSP C7G REINFORCED CONCRETE CRIB WALL FOUNDATION PRESSURE- VERTICAL WALL
- C8A Steel Crib Wall- Construction Details
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- RSP D77A Grate Details
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- D78 Gutter Depressions
- D79 Precast Reinforced Concrete Pipe- Direct Design Method
- D80 Cast-In-Place Reinforced Concrete Single Box Culvert
- D81 Cast-In-Place Reinforced Concrete Double Box Culvert
- D82 Cast-In-Place Reinforced Concrete Box Culvert Miscellaneous Details
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- RSP D85 BOX CULVERT WINGWALLS- TYPES D AND E
- D86A Box Culvert Warped Wingwalls
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- D88 Construction Loads on Culverts
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- D97A Corrugated Metal Pipe Coupling Details No. 1- Annular Coupling Band Bar and Strap and Angle Connectors
- D97B Corrugated Metal Pipe Coupling Details No. 2- Hat Band Coupler and Flange Details
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- H1 Planting and Irrigation- Abbreviations
- RSP H2 PLANTING AND IRRIGATION- SYMBOLS
- H3 Planting and Irrigation- Details
- H4 Planting and Irrigation- Details
- H5 Planting and Irrigation- Details
- H6 Planting and Irrigation- Details
- H7 Planting and Irrigation- Details



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
7	LA	1,5,91,164 210,605	VAR	4	61

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated April 11 1998

- H8 Planting and Irrigation- Details

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- B0-5 Bridge Details
- B0-13 Bridge Details
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- RSP B3-3 RETAINING WALL- TYPE 1A
- B3-4 Retaining Wall- Type 2
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AS - BUILT

SHEET 1 OF 2

STANDARD PLANS LIST

(July,1997 Edition)

REVISED DECEMBER 4, 1997

WEB SITE ADDRESS: <http://www.dot.ca.gov/hq/esc/projplan/ppintro.htm>

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DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
7	LA	1,5,91,164 210,605	VAR	5	61
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To accompany plans dated April 1998

- ☐ RSP ES-6R

SIGNAL AND LIGHTING STANDARDS- CASE 4 ARM LOADING, WIND VELOCITY = 129 km/h, ARM LENGTHS 7.6 m TO 13.7 m
- ☐ ES-6RA

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Closed Circuit Television- Pole Details- Overhead Sign Mounted

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INLETS
- ☐ NSP D75BPIPE

INLETS
- ☐ NSP D75CPIPE

INLETS- LADDER, STEP AND TRASH RACK DETAILS

AS - BUILT

SHEET 2 OF 2
STANDARD PLANS LIST

(July,1997 Edition)
REVISED DECEMBER 4, 1997

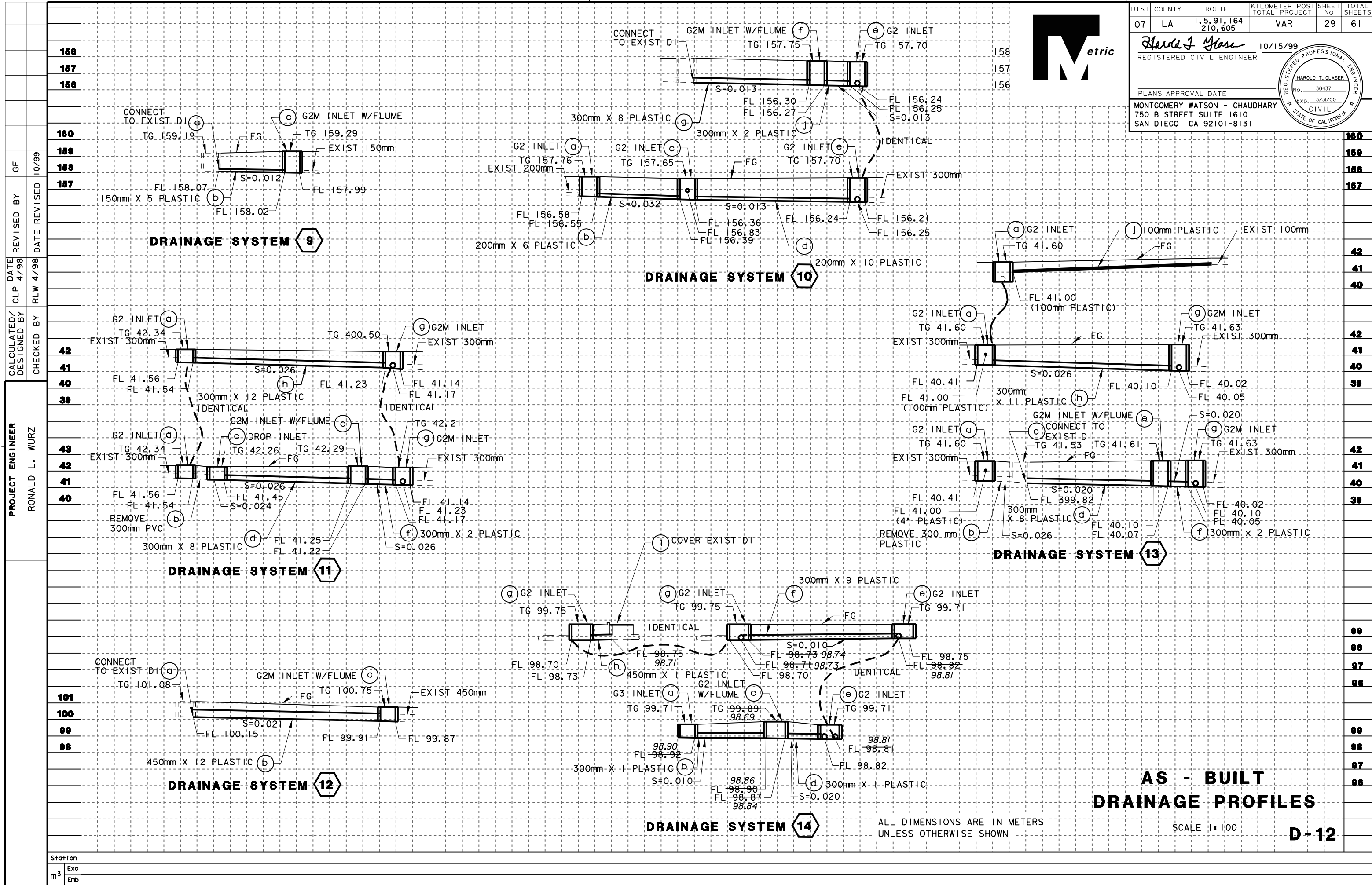
WEB SITE ADDRESS: <https://www.dot.ca.gov/hq/esc/projplan/ppintro.htm>

The Standard Plan sheets applicable to this contract include, but are not limited to those indicated by a marked box.

USERNAME =C\$USER

CONTRACT NO.

DATE PLOTTED =C 22-MAY-2000
TIME PLOTTED =C 09:28



DIST	COUNTY	ROUTE	KILOMETER TOTAL	POST PROJECT	SHEET NO	TOTAL SHEETS
07	LA	1,5,91,164 210,605	VAR	10/15/99	29	61

REGISTERED CIVIL ENGINEER
HAROLD T. GLASER
No. 30437
Exp. 3/31/00
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE
MONTGOMERY WATSON - CHAUDHARY
750 B STREET SUITE 1610
SAN DIEGO CA 92101-8131

**AS - BUILT
DRAINAGE PROFILES**
SCALE 1:100
D-12

ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE SHOWN

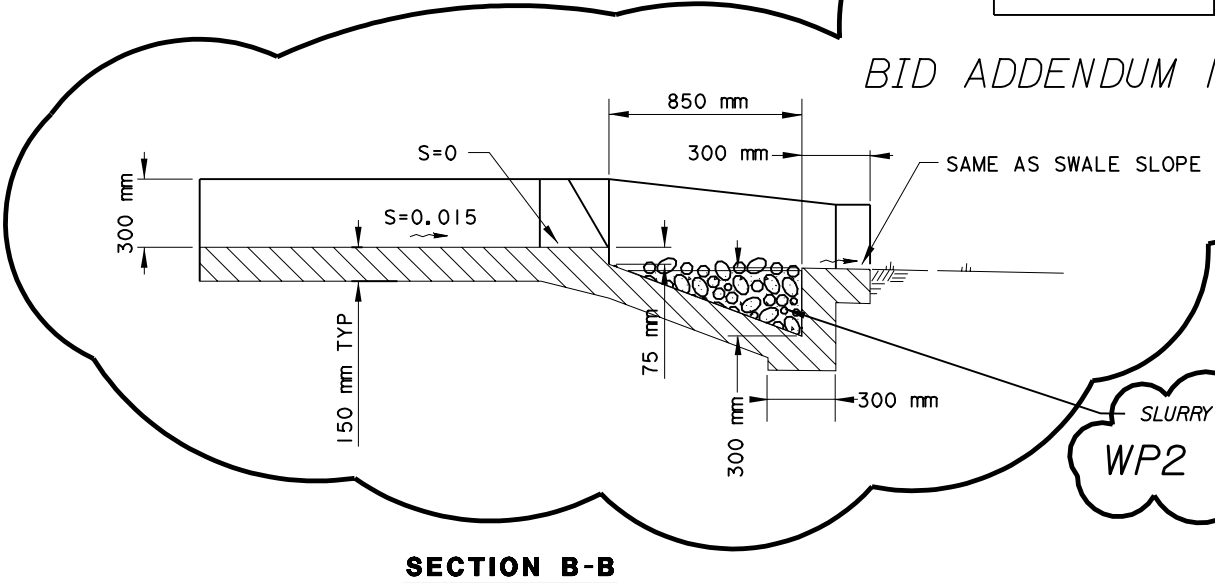
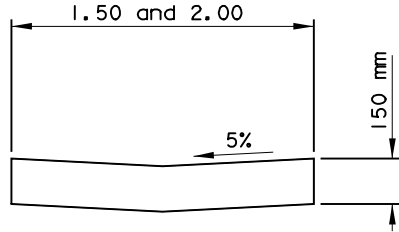
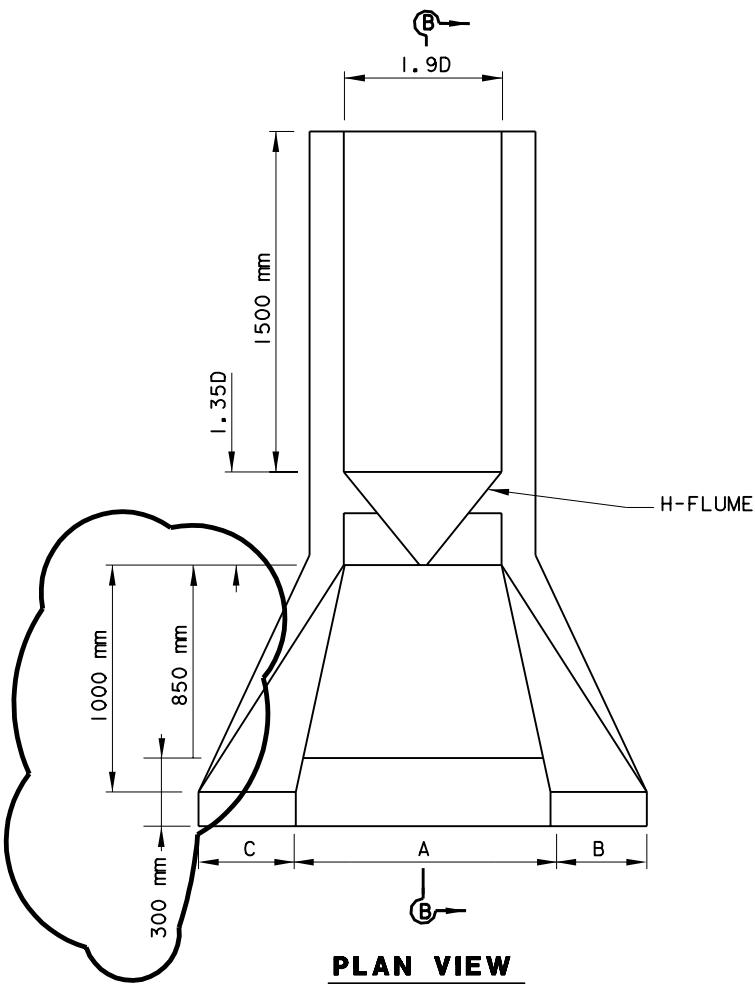
PROJECT ENGINEER
RONALD L. WURZ

CALCULATED/ DESIGNED BY
CLP 4/98

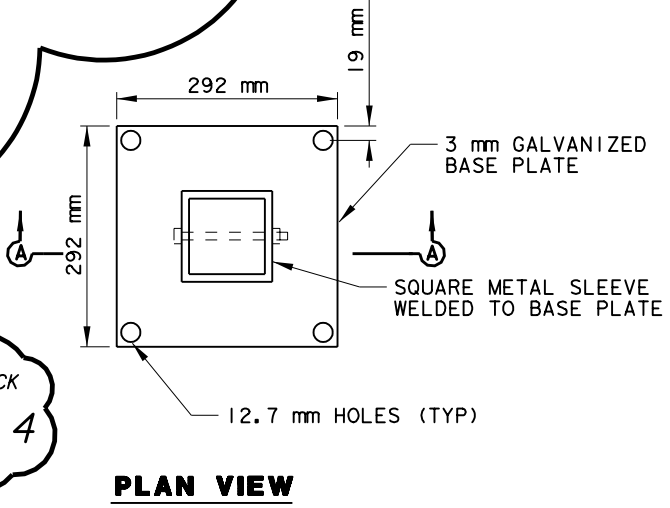
CHECKED BY
RLW 4/98

DATE REVISED
10/99

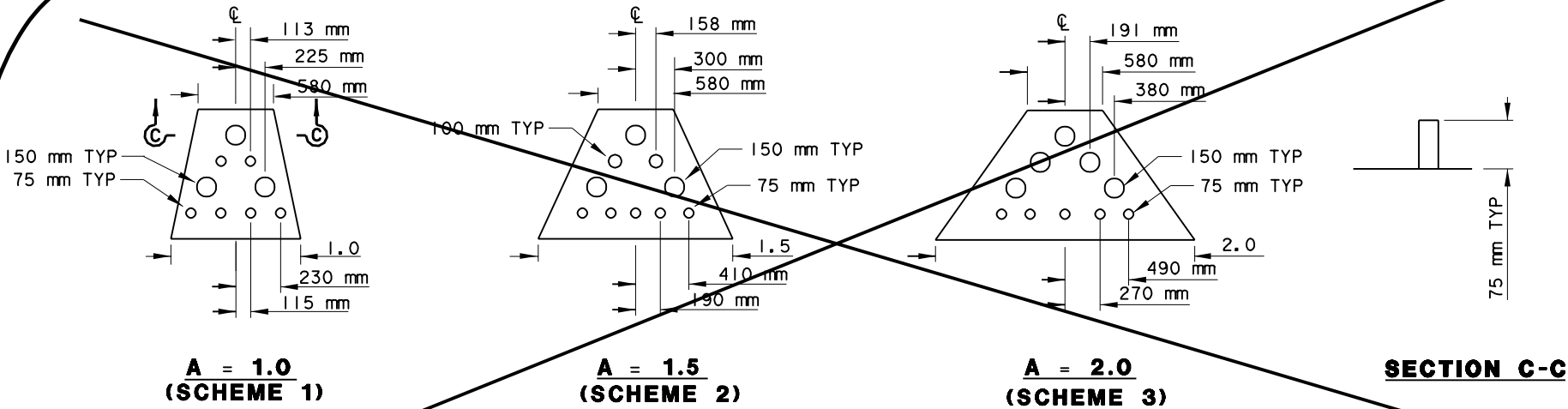
GF



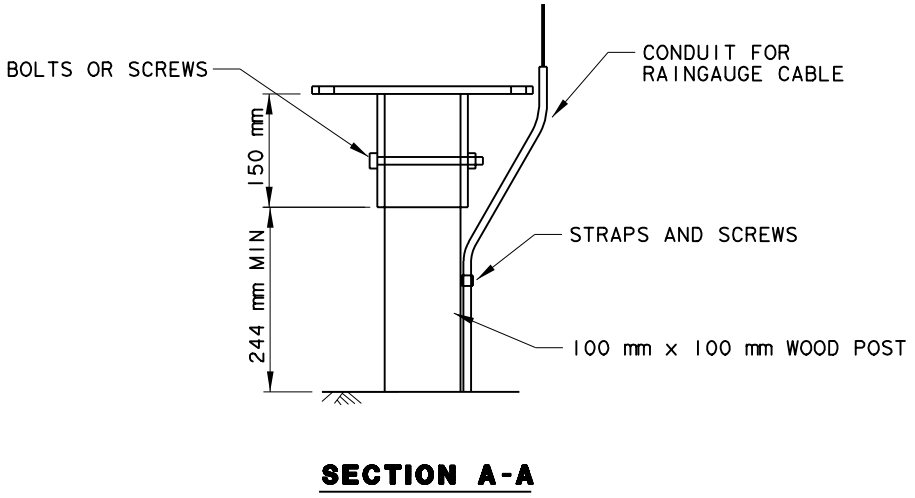
DRAIN. UNIT NO.	A	B	C	D
2c	1.5	1.2	1.2	0.229
6b	1.5	0.5	0.5	0.305
7e	2.0	0.6	0.6	0.305
8b	1.0	0.6	0.6	0.305



H - FLUME TO SWALE TRANSITION



SECTION C-C



RAIN GAUGE MOUNTING PLATFORM

AS - BUILT DRAINAGE DETAILS

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

NO SCALE

PROJECT ENGINEER

RONALD L. WURZ

CALCULATED/DESIGNED BY

GF

DATE

4/98

PNX

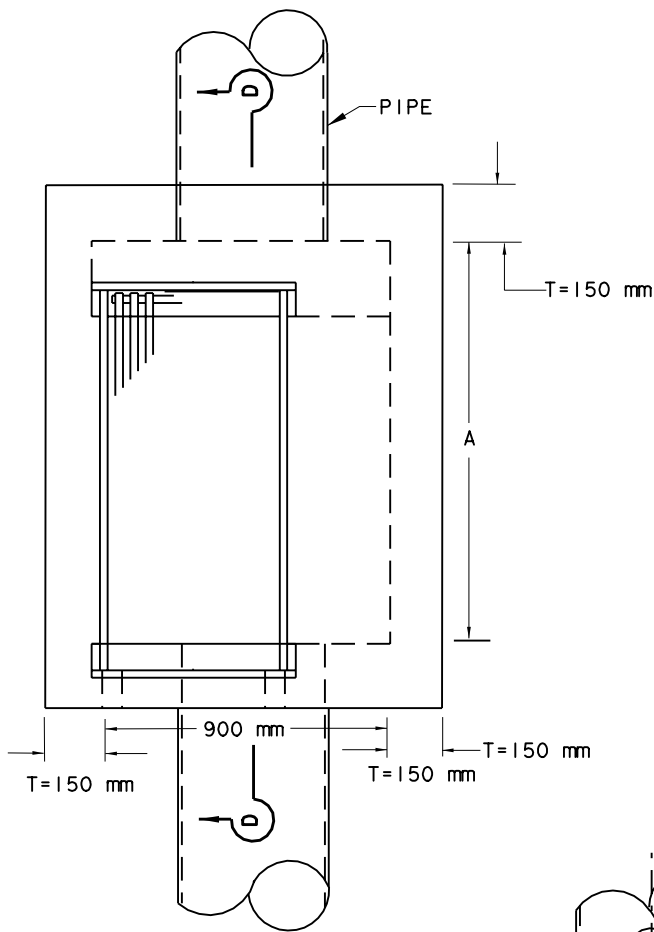
4/98

CHECKED BY

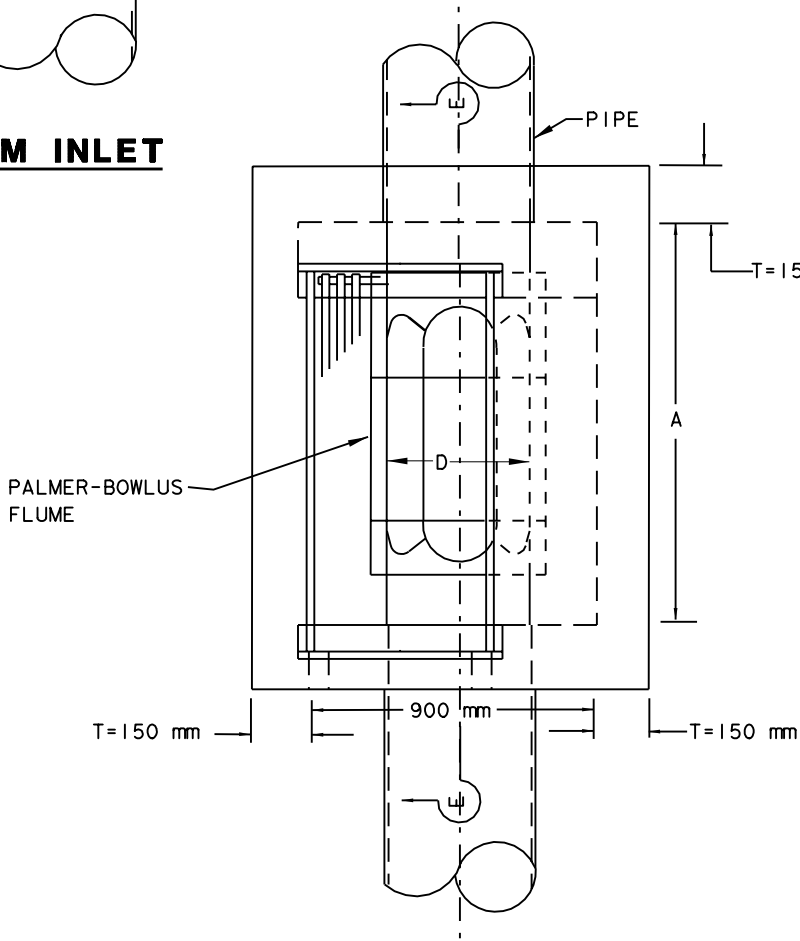
RLW

DATE REVISED

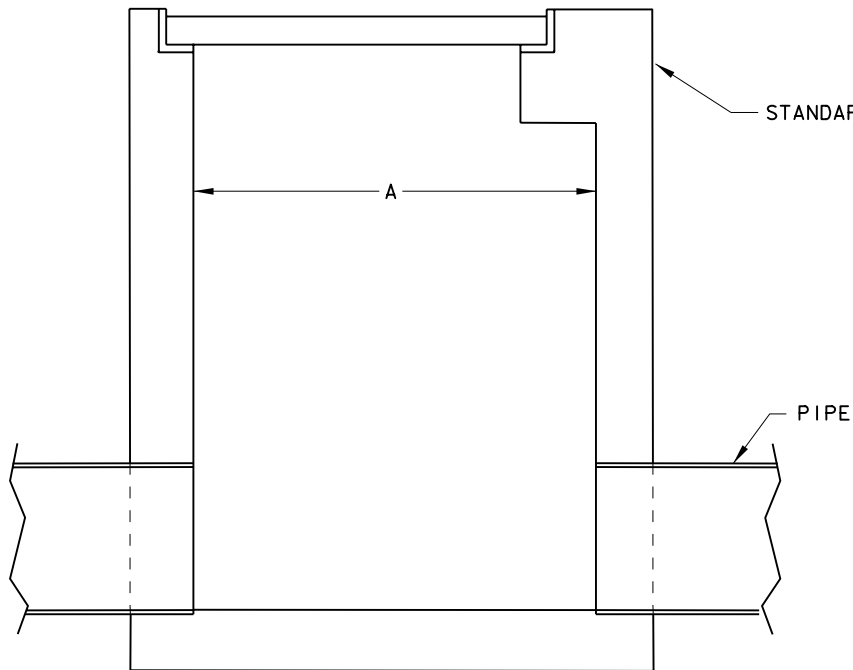
10/99



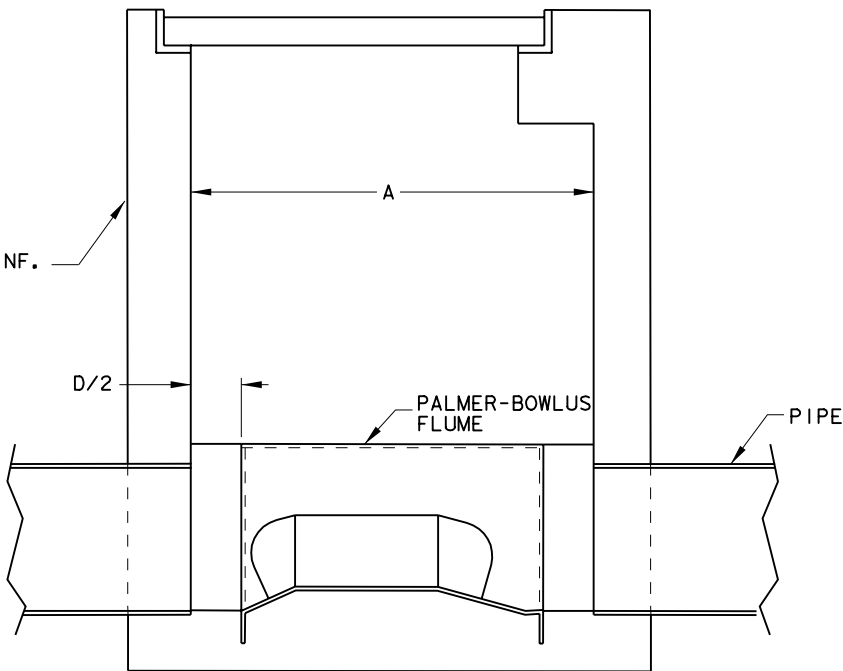
G2M INLET



G2M INLET W/ FLUME



SECTION D-D



SECTION E-E

BOX DIMENSIONS			
DRAINAGE UNIT NO.	A	FLUME	D
9c	1.40	x	0.203
10e	2.30		
10f	1.40	x	0.457
11e	1.40	x	0.203
11g	2.30		
12c	1.40	x	0.381
13e	1.40	x	0.305
13g	2.30		
14c	1.40	x	0.254
14e	2.30		



DIST

COUNTY

ROUTE

KILOMETER POST TOTAL PROJECT

SHEET NO

TOTAL SHEETS

07

LA

1,5,91,164
210,605

VAR

34

61

Harold T. Glaser

10/15/99

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

MONTGOMERY WATSON - CHAUDHARY

750 B STREET SUITE 1610

SAN DIEGO CA 92101-8131

REGISTERED PROFESSIONAL ENGINEER

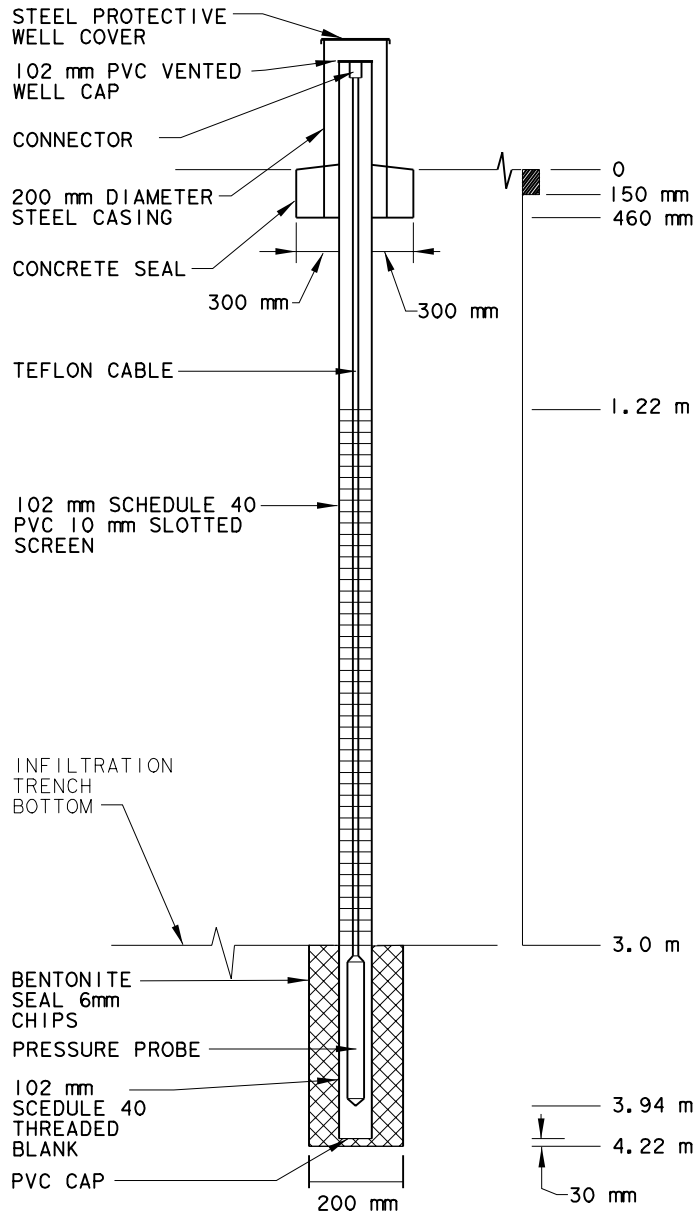
HAROLD T. GLASER

No. 30437

Exp. 3/31/00

CIVIL

STATE OF CALIFORNIA



MONITORING WELL

AS - BUILT
DRAINAGE DETAILS

NO SCALE

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

[illegible]

DRAINAGE QUANTITIES

NO SCALE

D - 23

x

x

x

x

x

PROJECT ENGINEER

RONALD L. WURZ

CALCULATED/
DESIGNED BY

CHECKED BY

DATE
CLP 4/98

RLW 4/98

GF

DATE REVISED
10/99

PLACE ASPHALT CONCRETE DIKE

LOCATION	TYPE E m	TYPE C m
S 5/605 INTERCHANGE	110 0	-
N 605/CARSON & DEL AMO INTERCHANGE	58 57	57
N 605/91 INTERCHANGE	40 39	-
TOTAL	208 96	57

CHAIN LINK FENCE

LOCATION	CL-1.8 M
ALTADENA MAINTENANCE STATION	61 67
TOTAL	61 67

MINOR CONCRETE
(MINOR STRUCTURE)

LOCATION	m ³
ALTADENA MAINTENANCE STATION	3.19 28.7
N 605/91 INTERCHANGE	1.3
W 91/CERRITOS MAINTENANCE STATION	0.6
S 5/605 INTERCHANGE	0.6
N 605/CARSON & DEL AMO INTERCHANGE	0.6
FOOTHILL MAINTENANCE STATION	5.7
LAS FLORES MAINTENANCE STATION	5.4
ROSEMEAD MAINTENANCE STATION	3.5
TOTAL	6.29 46.4

1.5 M CHAIN LINK GATE

LOCATION	TYPE CL-1.8 EA m
ALTADENA MAINTENANCE STATION	2 3
TOTAL	2 3

3 M CHAIN LINK GATE

LOCATION	TYPE CL-1.8 EA
W 91/CERRITOS MAINTENANCE STATION	1
TOTAL	1



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
07	LA	1,5,91,164 210,605	VAR	47	61
<i>Harold T. Glaser</i>		10/15/99			
REGISTERED CIVIL ENGINEER					
PLANS APPROVAL DATE					
MONTGOMERY WATSON - CHAUDHARY 750 B STREET SUITE 1610 SAN DIEGO CA 92101-8131					

REGISTERED PROFESSIONAL ENGINEER

HAROLD T. GLASER

No. 30437

EXP. 3/31/00

CIVIL

STATE OF CALIFORNIA

REMOVE AC DIKE

LOCATION	m
S 5/605 INTERCHANGE	110 0
N 605/CARSON & DEL AMO INTERCHANGE	115 114
N 605/91 INTERCHANGE	98
TOTAL	323 212

AS-BUILT

SUMMARY OF QUANTITIES

ALL DIMENSIONS ARE IN
METERS UNLESS OTHERWISE SHOWN

NO SCALE

Q-1

PROJECT ENGINEER

RONALD L. WURZ

CALCULATED/DESIGNED BY

CLP

DATE

4/98

REVIS

GF

DATE

10/99

CHECKED BY

RLW

DATE

4/98



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST NO	SHEET NO	TOTAL SHEETS
07	LA	1,5,91,164 210,605	VAR		49	61
Harold J. Glaser		10/15/99				
REGISTERED CIVIL ENGINEER						
PLANS APPROVAL DATE						
MONTGOMERY WATSON - CHAUDHARY 750 B STREET SUITE 1610 SAN DIEGO CA 92101-8131						

REGISTERED PROFESSIONAL ENGINEER

HAROLD T. GLASER

No. 30437

EXP. 3/31/00

CIVIL

STATE OF CALIFORNIA

RETAINING WALL QUANTITIES

WALL	STATION LIMITS	STRUCTURAL CONCRETE, RETAINING WALL (m3)	BAR REINF STEEL (RW) (kg)	PERVIOUS BACKFILL MATERIAL * (m3)	NONWOVEN FILTER FABRIC (m3)
"RW102"	102+5.40 - 102+33.36	22	1100	5	82
TOTAL		22	1100	5	82

CABLE RAILING

WALL	STATION LIMITS	m
"RW102"	102+5.40 - 102+33.36	28
TOTAL		28

BID ADD.1

INFILTRATION TRENCH

LOCATION	GRADED AND WASHED GRAVEL (m3)	FILTER FABRIC (m2)	SHEET PILING (m2)
ALTADENA MAINTENANCE STATION	480 607	542 515	171 170
TOTAL			

METAL BEAM GUARD RAILING

LOCATION	CABLE ANCHOR ASSEMBLY			TERMINAL SYSTEM		MBGR
	BREAKAWAY					
	TYPE B				TYPE SRT	
	EA				EA	m
N 605/CARSON & DEL AMO SEPARATION	1				1	69
TOTAL						

STORAGE BAYS

LOCATION	STRUCTURAL CONCRETE (m3)	BAR REINF STEEL (kg)	REMOVE EXISTING BAY EA
ALTADENA MAINTENANCE STATION	20 49	600 3529	3 6
TOTAL			

MONITORING

LOCATION	MONITORING WELL EA	LYSIMETER EA		RAIN GAUGE PLATFORM EA
ALTADENA MAINTENANCE STATION	1	1		
FOOTHILL MAINTENANCE STATION				1
LAS FLORES MAINTENANCE STATION				1
ROSEMEAD MAINTENANCE STATION				1
TOTAL				

LANDSCAPING

LOCATION	EROSION CONTROL SEED (ha)	BMP SEED (ha)	TOPSOIL (m3)	REMOVE EXIST TREE EA
ALTADENA MAINTENANCE STATION		0.016 0.015	96 107	
N 605/91 SEPARATION	0.321	0.068 0.054	324 132	
W 91 BEHIND CERRITOS MAINTENANCE STATION	0.011	0.005 0.003	18	
S 5/605 SEPARATION	0.122	0.015 0.008	21 48	1
N 605/CARSON & DEL AMO SEPARATION	0.040	0.011 0.005	21 32	1
TOTAL				

AS-BUILT

SUMMARY OF QUANTITIES

NO SCALE

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

